

**WILCLEAR**  
MSDS REPORT (1)

Status: Current  
Status Date: 08/08/2003  
Product Name: WILCLEAR® SODIUM LACTATE 60% SOLUTION, U.S.P.

Current Company Information:

JRW Bioremediation, LLC  
14321 W. 96TH TERRACE  
LENEXA, KS 66215.  
Fax: 913-438-5554      Emergency: 913-438-5544

MSDS Prepared: 12/07/1994  
MSDS Revised: 08/08/2003

Formula: CH<sub>3</sub>-CHOH-COONa  
Keyword: ORGANIC ACID SALT  
Stock Item(s): S-110-2

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Physical/Chemical Characteristics

Boiling Point: 105 °C  
Specific Gravity: 1.323 H<sub>2</sub>O=1 @ 20°C  
Vapor Density: Air=1 NA  
Evaporation Rate: NA  
Melt/Freeze Point: NA  
pH: 6.5-7.5  
% Volatile: NA  
Vapor Pressure: NA  
Pour Point: NA  
Viscosity: 100cP @ 20°C  
Molecular weight: 112.07  
Solubility In Water: SOLUBLE  
Appearance/Odor: CLEAR AND COLORLESS LIQUID, ODORLESS  
Physical State: Liquid

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FIRE AND EXPLOSION DATA:

Closed Cup Flash Pt.: NA  
Open cup Flash Point: NA  
Auto Ignition: NA  
Fire Point: NA  
LEL/LFL: NA  
UEL/UFL: NA

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DOT INFORMATION:

DOT hazard class: NA  
Label: NA  
Proper shipping Name: WilClear® SODIUM LACTATE 60%

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**COMPOSITION/INFORMATION ON INGREDIENTS**

Component Name: SODIUM LACTATE

Product: Yes                      Percent: 60

CAS No.: 72-17-3

Exposure Limits

Limit Note: OSHA PPM: NA \ ACGIH PPM: NA \ OSHA STEL PPM: NA

Component Name: WATER

Percent: 40

CAS No.: 7732-18-5

Exposure Limits

Limit Note: OSHA PPM: NA \ ACGIH PPM: NA \ OSHA STEL PPM: NA

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**HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits	%	Recommended
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(optional) Specific Chemical

Identity: Common Name(s)

None

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**FIRE AND EXPLOSION HAZARD DATA**

Flash Point: NA                      Flammable Limits: NA                      LEL: NA                      UEL: NA

Extinguishing Media: Water, Carbon Dioxide or Dry chemical.

Special Fire Fighting procedures: Wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Fire may produce irritating or toxic fumes.

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**REACTIVITY DATA**

Stability: Stable.                      Conditions to Avoid: NA

Incompatibility (Materials to Avoid):                      NA

Hazardous Decomposition or Byproducts: NA

Hazardous Polymerization:                      Will not occur.

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**HEALTH HAZARD DATA**

Route(s) of Entry:                      Inhalation? Yes                      Skin? NA                      Ingestion? Yes

Health Hazards (Acute and chronic): No specific data. Low order of toxicity. The chemical, physical, and toxicological properties have not been thoroughly investigated.

Carcinogenicity: NTP? NA      IARC Monographs? NA      OSHA Regulated? NA      TSCA Registered? Yes

Signs and symptoms of Exposure: NA

Medical Conditions Generally Aggravated by Exposure: NA

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**Emergency and First Aid Procedures:**

**SKIN:** In case of contact with skin, immediately wash with soap and water while removing contaminated clothing.

**EYE:** In case of contact with eyes, immediately flush eyes with water for at least 15 minutes, lifting eyelids during flushing to facilitate irrigation. Get medical attention if necessary.

**INHALATION:** If inhaled, remove person from contaminated atmosphere to fresh air

**INGESTION:** If swallowed, get medical attention.

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**PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps to Be Taken in Case Material is Released or Spilled:** Contain spill and place material in drum for disposal. Dispose of according to all local, state and federal regulations at an approved waste treatment facility.

**Precautions to Be Taken in Handling and Storing:** Store in cool, dry area to preserve product quality.

**Other Precautions:** NA

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**CONTROL MEASURES/PERSONAL PROTECTIVE EQUIPMENT**

**Respiratory Protection (Specify Type):** None.

**Ventilation:** General Ventilation: Is recommended.

Local Exhaust: Is recommended.

Other: NA

**Protective Gloves:** Are recommended.

**Eye Protection:** Is recommended.

**Other Protective Clothing or Equipment:** NA

**Work/Hygienic Practices:** NA

**END OF REPORT.**